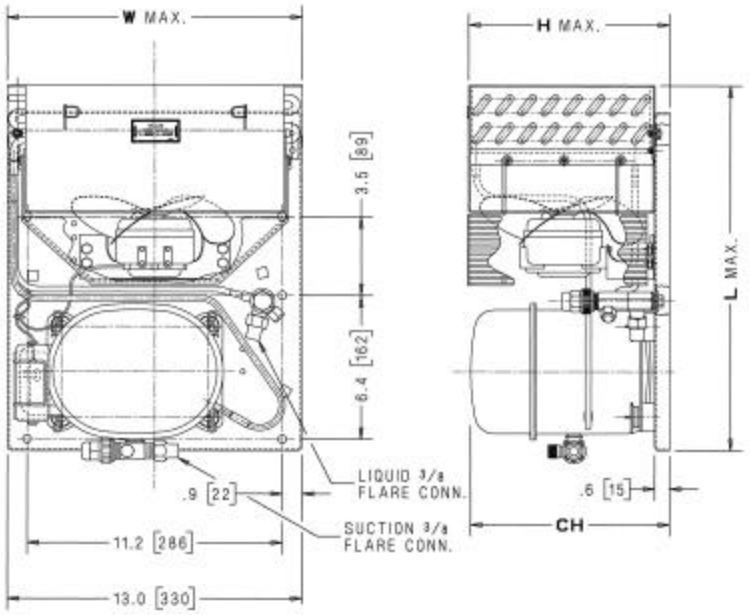
October 3, 2000

Tecumseh Hermetic Condensing Units

Model: AEA4441YX_X_ **R-134a** **1/3 HP** **AIR COOLED**



Note: Dimensioning = Inches [mm]

Model	Dimensions, inches				Line Connection*		Pumpdown	Air	Oil Ch	Gr. Wt.
	L	W	H	CH	Suction	Liquid	90 °F 90%	SCFM	Oz.	Lbs.
AEA4441YX-X-	16.2	13.0	9.0	8.9	3/8" F	3/8"F	--------	180	11	TBD

* F = Flare, S = Solder, RF or RS = Rotolock with Flare or Solder Connections, C = Compression Fitting
Factory charge: 20 PSIG Nitrogen – **MUST BE EVACUATED**

60 Hz Performance

		Ambient Temps											
Evaporator		80°F			90°F			100°F			110°F		
T, °F	PSIG	BTUH	Watts	Head	BTUH	Watts	Head	BTUH	Watts	Head	BTUH	Watts	Head
20	18.4	2734	473	133	2553	477	152	2221	483	175	1980	496	199
25	22.1	2995	501	139	2771	505	159	2476	515	182	2226	528	207
30	26.0	3276	531	146	3011	536	167	2733	549	190	2470	563	216
35	30.3	3577	563	155	3272	570	175	2992	586	199	2712	601	225
40	35.0	3899	598	164	3554	606	184	3254	625	208	2952	642	235
45	40.0	4242	635	174	3857	645	194	3518	667	218	3189	686	246
50	45.3	4604	674	185	4181	687	205	3785	710	229	3424	732	257
55	51.1	4988	714	197	4527	731	216	4054	756	241	3656	782	269

Based on 65°F return gas temp., 5°F subcooling

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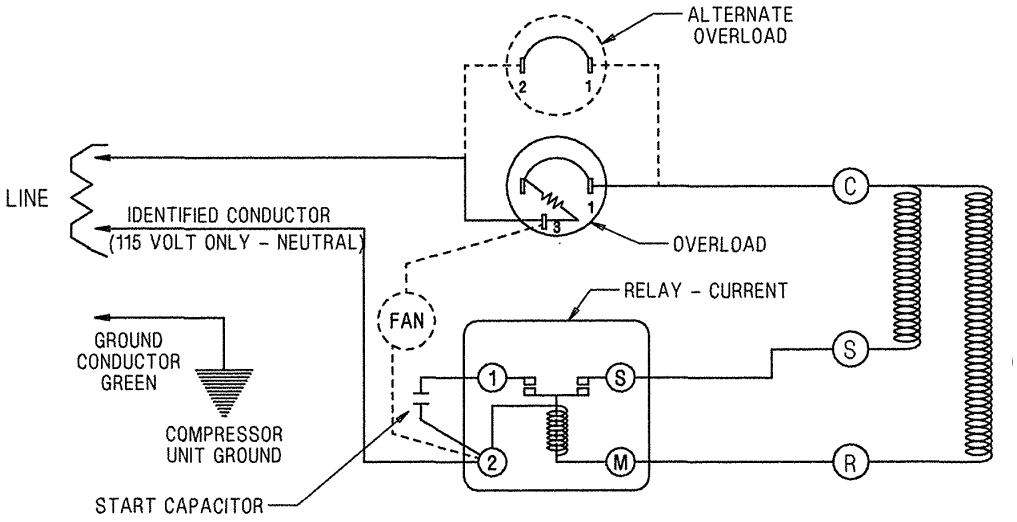
Specifications:

Model	AEA4441YXAXA
Nominal Volts-Hz-Ph	115-60-1
Unit Bill of Material	2D375-1
Voltage Range	103.5 / 126.5
Min. Circuit Ampacity	9.5
Max. Fuse Size (amps)	15
Compressor Model	AEA4440YXA
Comp. Bill of Material	AE 630AT-668-P2
Alt. Comp. Bill of Mat.	AE 630AR-668-A2
Compressor RLA/LRA	7.20 / 32.7
Overload	8300MRAC19
Relay	8200EMBH20
Alternate Relay	82632 / 82470
Start Capacitor	85PS110C90
Start Capacitor Rating	145-175 MFD @ 110 V
Fan Motor	810M006B45
Alternate Fan Motor	----------
Fan Blade	51561-1
Condenser	50850
Condenser Shroud	70854
Unit Drawing	SU 1896-163
Electrical Drawing	DEAE-10



115 OR 230 VOLT - SCHEMATIC WIRING DIAGRAM - CSIR

REF. DWG. MD472-1